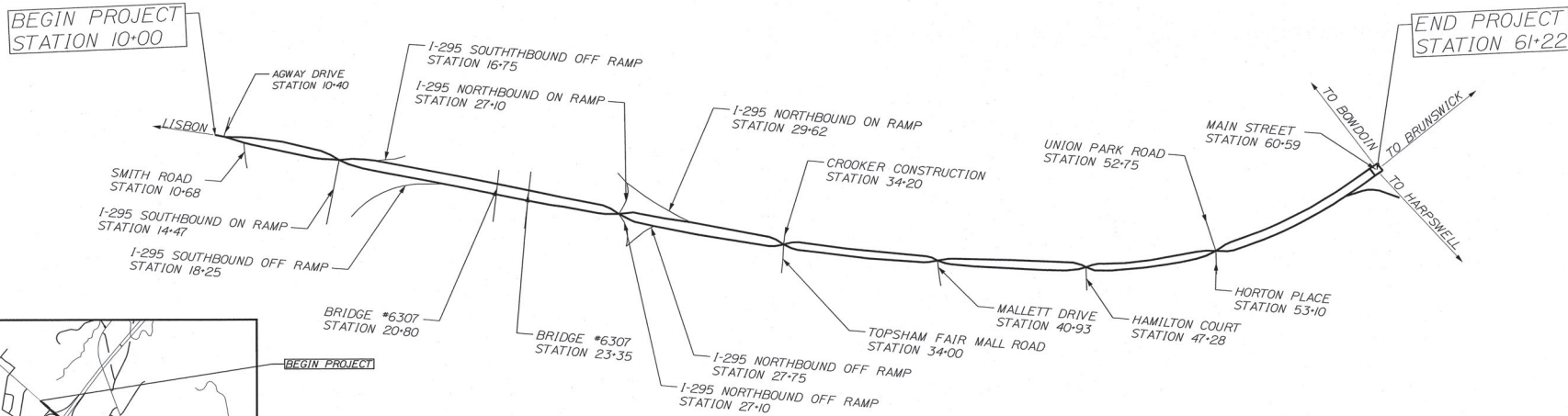


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



TOPSHAM
SAGADAHOC COUNTY
ROUTE 196
FEDERAL PROJECT NO. 2626800
PROJECT LENGTH: 0.97 MILES



Scale in Miles
0 1/2 1
LOCATION MAP

TRAFFIC DATA	SEC.1	SEC.2
Current (2024) AADT	13050	11860
Future (2044) AADT	14360	13050
DHV - % of AADT	13%	9%
Design Hour Volume	1798	1175
% Heavy Trucks (AADT)	7%	7%
% Heavy Trucks (DHV)	3%	2%
Directional Distribution (DHV)	100%	100%
18-kip Equivalent P 2.0	555	594
18-kip Equivalent P 2.5	528	566
Design Speed (mph)	35	40
Corridor Priority	1	1

PROJECT LOCATION:	BEGINNING AT 0.01 MILES WEST OF SMITH ROAD AND EXTENDING EAST 0.97 OF A MILE INCLUDES BOTH LANES OF A DIVIDED HIGHWAY.
PROGRAM AREA:	REGIONAL PROGRAM
SCOPE OF WORK:	MILL AND FILL

WIN 26268.00 FEDERAL PROJECT NO. 2626800

TOPSHAM
ROUTE 196

TITLE SHEET

SHEET NUMBER
1
OF 1

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>	CHIEF ENGINEER: <i>[Signature]</i>	3-27-24



PROJECT INFORMATION	REGIONAL	PROJECT MANAGER	LARRY HAMILTON
DESIGNER	DAVID N.	CONSULTANT	
PROJECT RESIDENT		CONTRACTOR	
DATE	5-16-24	PROJECT COMPLETION DATE	

Date: 3/5/2024

Username: rbsnrbat

Division: HIGHWAY

Filename: ... \00\HIGHWAY\MST\A\001_Title.dgn



BEGIN PROJECT
 LAT 43.944100
 LONG -69.25284

END PROJECT
 LAT 43.937097
 LONG -69.96646



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

ROUTE 196 TOPSHAM
 SAGADAHOC COUNTY

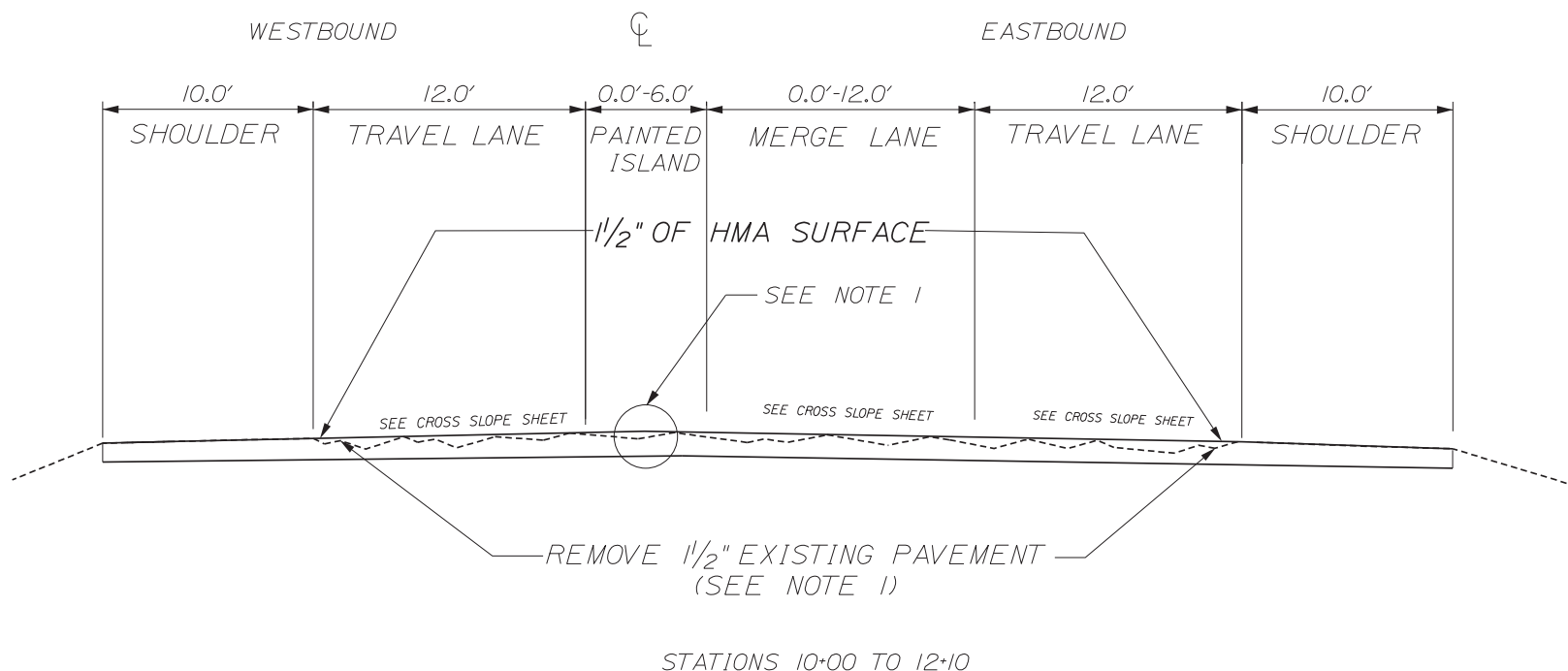
SHEET NUMBER
1

WIN 26268.00

LOCATION MAP

OF 33

MILL AND FILL
PAINTED ISLAND



NOTE 1: THE EXISTING CROWN SHALL BE THE MILLING CONTROL POINT. THE CUT DEPTH SHALL BE 1/2" AT THE CONTROL POINT AND THE TRAVELWAYS SHALL BE MILLED TO SLOPE. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

34

TOPSHAM
ROUTE 196

TYPICAL SECTIONS

WIN 26268.00

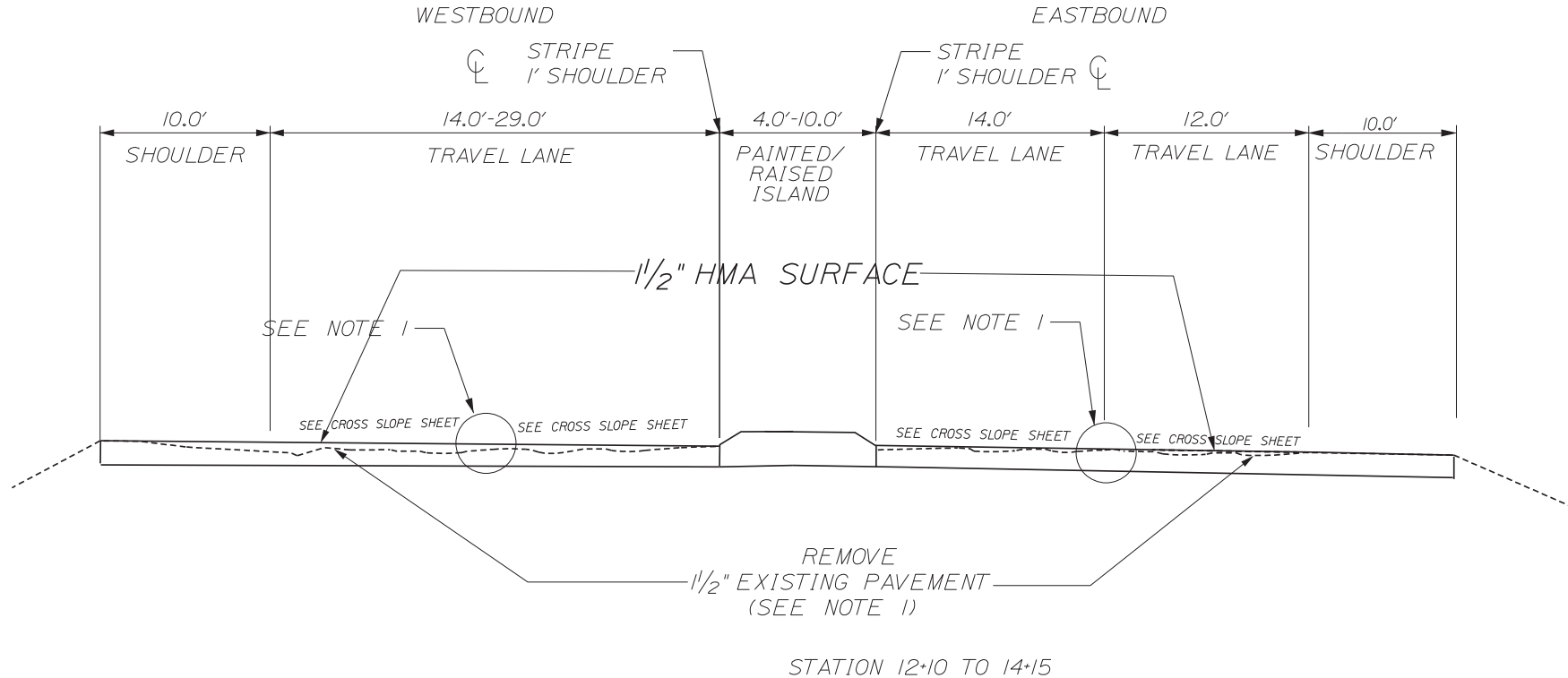
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2626800 HIGHWAY PLANS

SHEET NUMBER

1 OF 10

MILL AND FILL
WITH RAISED ISLAND



NOTE 1: THE POINTS IDENTIFIED SHALL BE THE MILLING CONTROL POINTS. THE CUT DEPTH SHALL BE 1/2" AT THE CONTROL POINTS AND THE TRAVELWAYS SHALL BE MILLED TO SLOPE. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

35

TOPSHAM
ROUTE 196

TYPICAL SECTIONS

WIN 26268.00

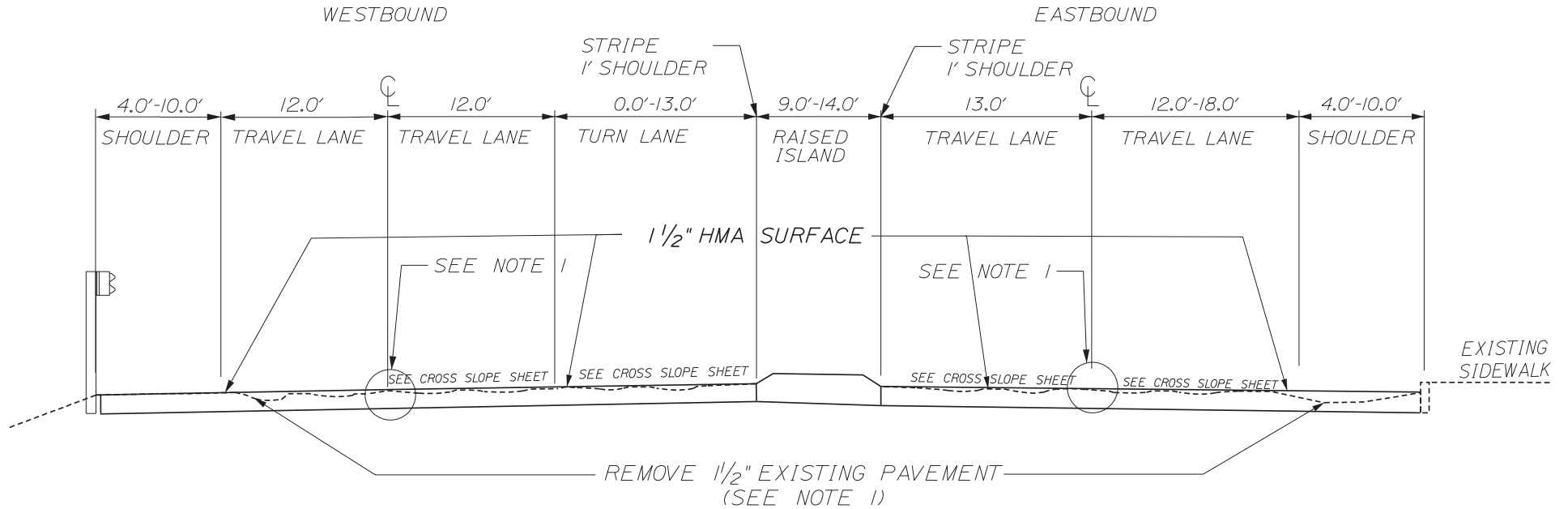
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2626800 HIGHWAY PLANS

SHEET NUMBER

2 OF 10

MILL AND FILL
RAISED ISLAND WITH TURN LANES



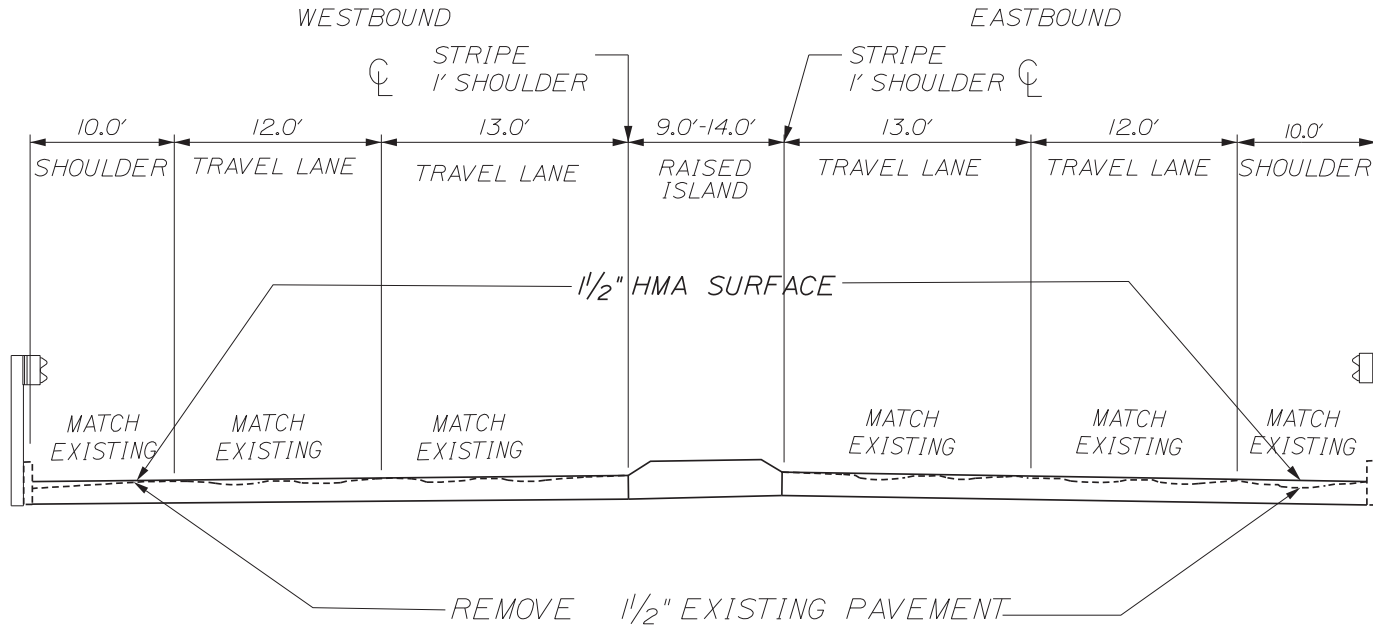
STATIONS 17+00 TO 20+80

NOTE 1: THE POINTS IDENTIFIED SHALL BE THE MILLING CONTROL POINTS. THE CUT DEPTH SHALL BE 1 1/2" AT THE CONTROL POINTS AND THE TRAVELWAYS SHALL BE MILLED TO SLOPE. THE RIGHT SHOULDER SHALL BE MILLED TO THE SAME SLOPE AS THE ADJACENT TRAVELWAYS. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

36	TOPSHAM ROUTE 196	WIN 26268.00	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SHEET NUMBER
	TYPICAL SECTIONS		2626800 HIGHWAY PLANS	3 OF 10

MILL AND FILL
BRIDGE SECTION WITH RAISED ISLAND



STATIONS 20+80 TO 23+35

NOT TO SCALE

37

TOPSHAM
ROUTE 196

TYPICAL SECTIONS

WIN 26268.00

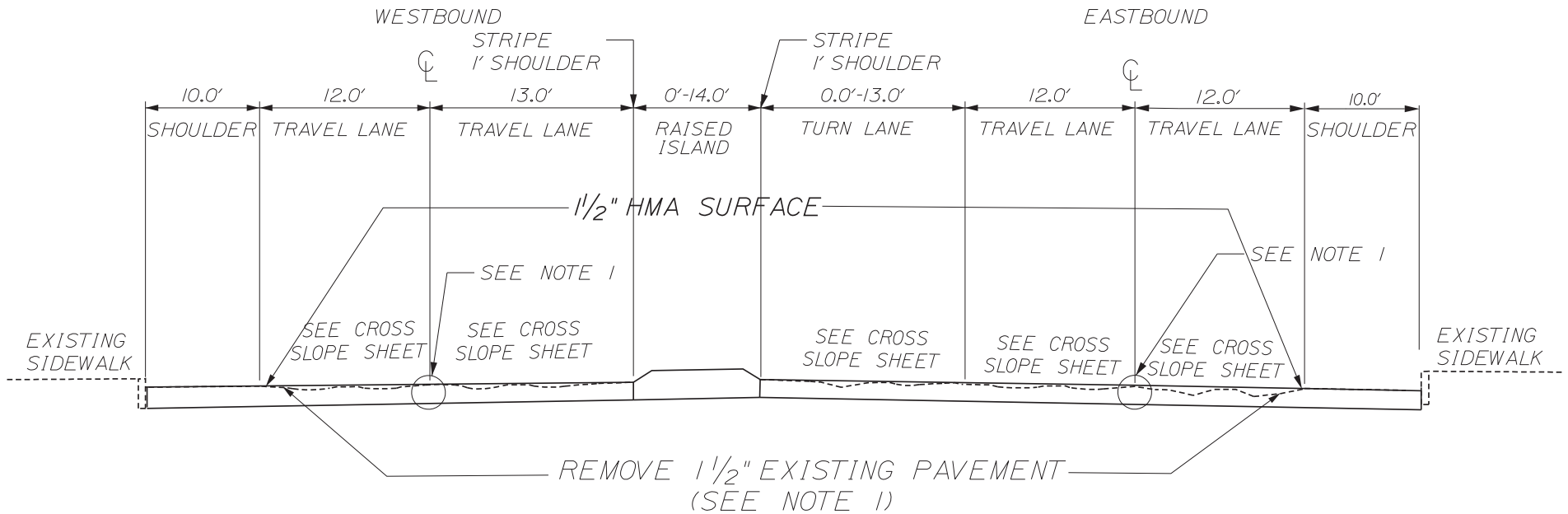
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2626800 HIGHWAY PLANS

SHEET NUMBER

4 OF 10

MILL AND FILL
RAISED ISLAND WITH TURN LANE



STATIONS 23+35 TO 27+00

NOTE 1: THE POINTS IDENTIFIED SHALL BE THE MILLING CONTROL POINTS. THE CUT DEPTH SHALL BE 1/2" AT THE CONTROL POINTS AND THE TRAVELWAYS SHALL BE MILLED TO SLOPE. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

38

TOPSHAM
ROUTE 196

TYPICAL SECTIONS

WIN 26268.00

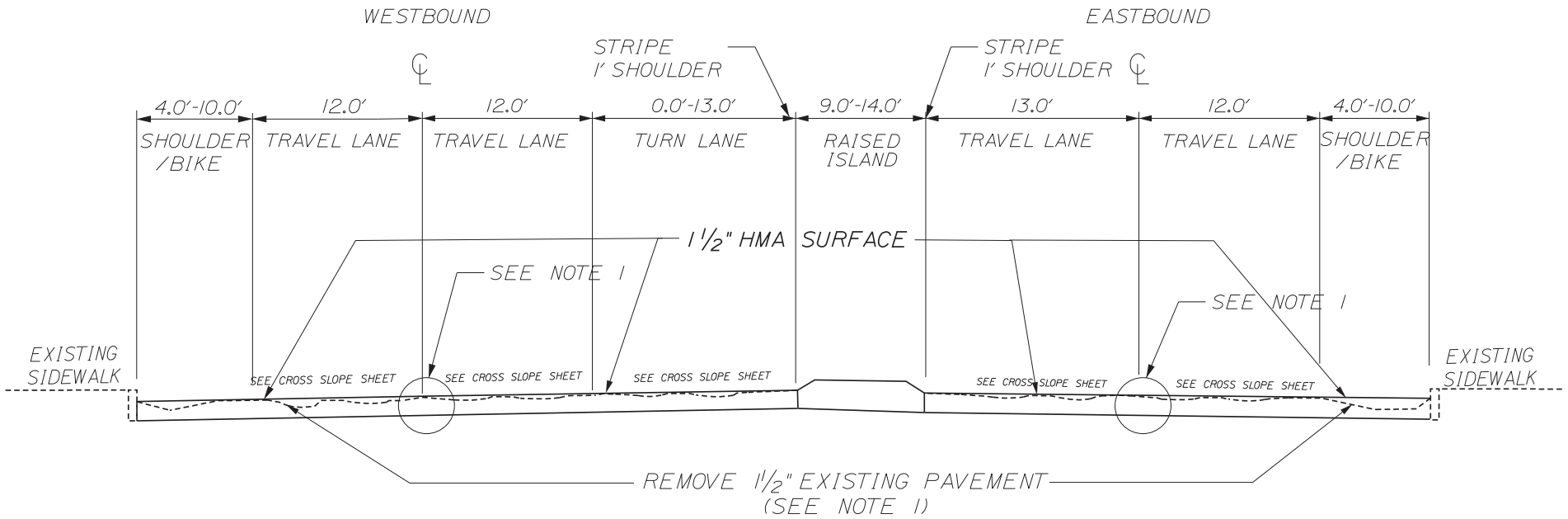
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2626800 HIGHWAY PLANS

SHEET NUMBER

5 OF 10

MILL AND FILL
RAISED ISLAND WITH TURN LANES



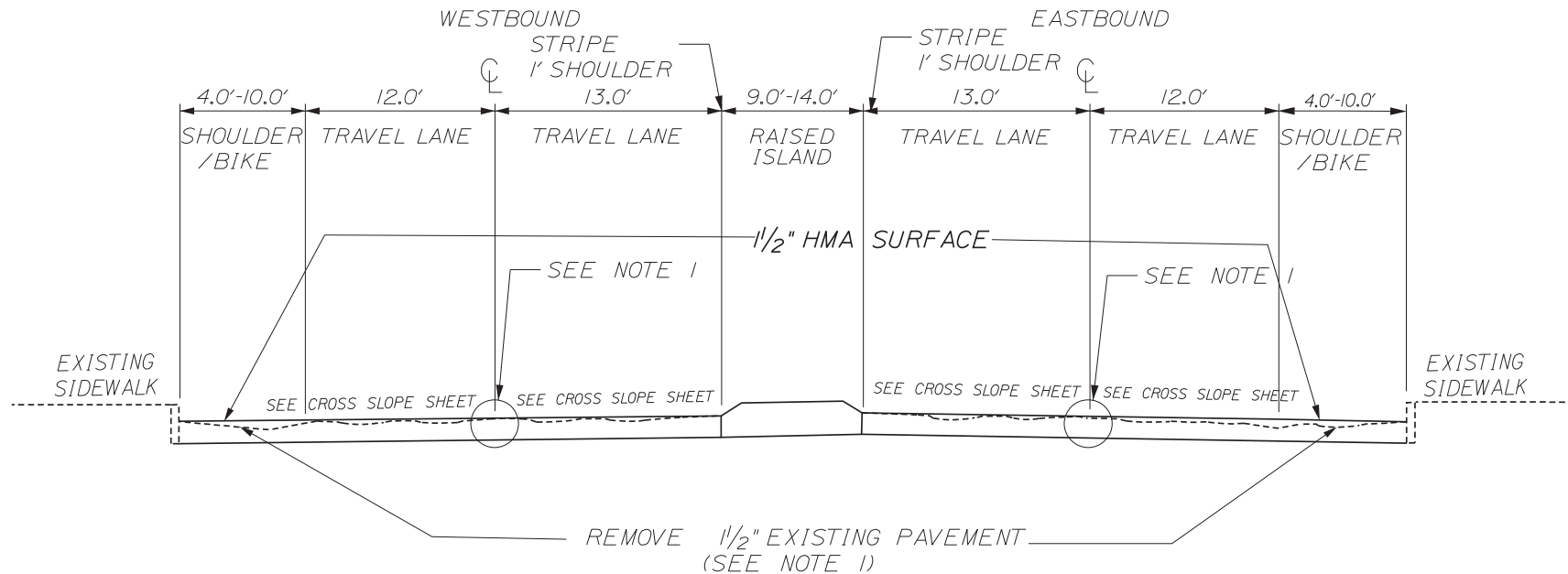
STATIONS
 14+15 TO 17+00
 40+00 TO 43+70
 47+40 TO 49+50
 53+20 TO 56+70

NOTE 1: THE POINTS IDENTIFIED SHALL BE THE MILLING CONTROL POINTS. THE CUT DEPTH SHALL BE 1/2" AT THE CONTROL POINTS AND THE TRAVELWAYS SHALL BE MILLED TO SLOPE. THE SHOULDER SHALL BE MILLED TO SAME SLOPE AS THE ADJACENT TRAVELWAYS. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

39	TOPSHAM ROUTE 196	WIN 26268.00	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SHEET NUMBER
	TYPICAL SECTIONS		2626800 HIGHWAY PLANS	6 OF 10

MILL AND FILL
RAISED ISLAND



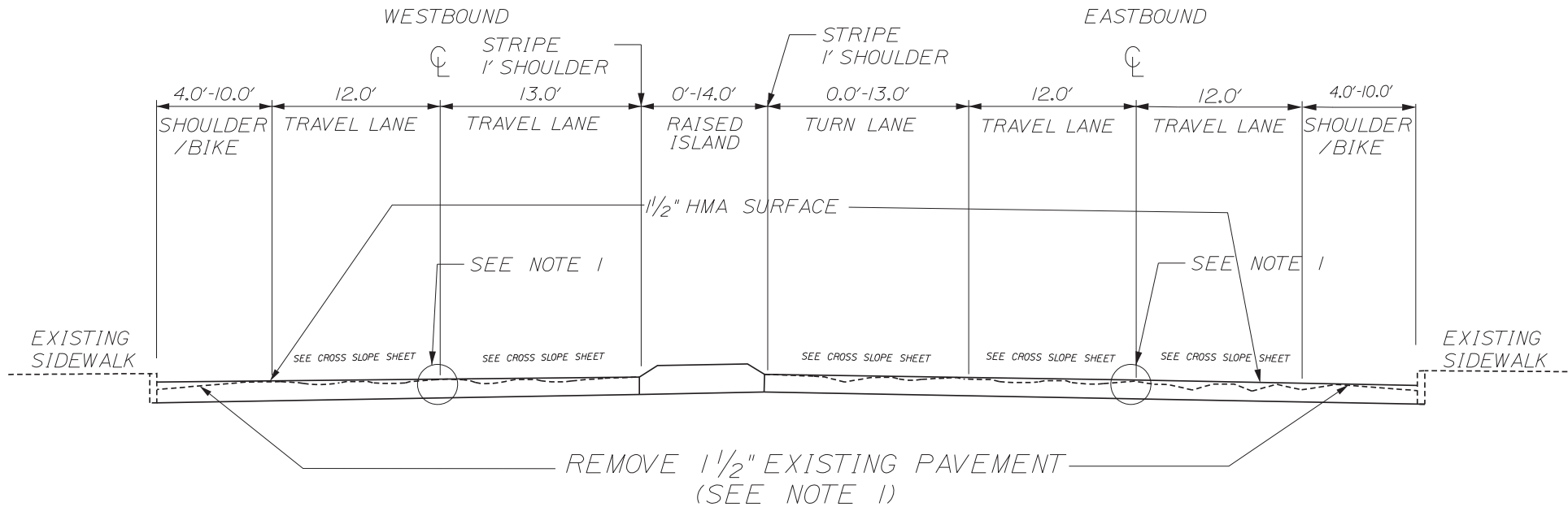
STATIONS
27+00 TO 29+80
43+70 TO 47+40

NOTE 1: THE POINTS IDENTIFIED SHALL BE THE MILLING CONTROL POINTS. THE CUT DEPTH SHALL BE 1 1/2" AT THE CONTROL POINTS AND TRAVELWAYS SHALL BE MILLED TO SLOPE. THE SHOULDER SHALL BE MILLED TO THE SAME SLOPE AS THE ADJACENT TRAVELWAYS. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

3 TOPSHAM ROUTE 196 TYPICAL SECTIONS	WIN 26268.00	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SHEET NUMBER 7 OF 10
		2626800 HIGHWAY PLANS	

MILL AND FILL
RAISED ISLAND WITH TURN LANE



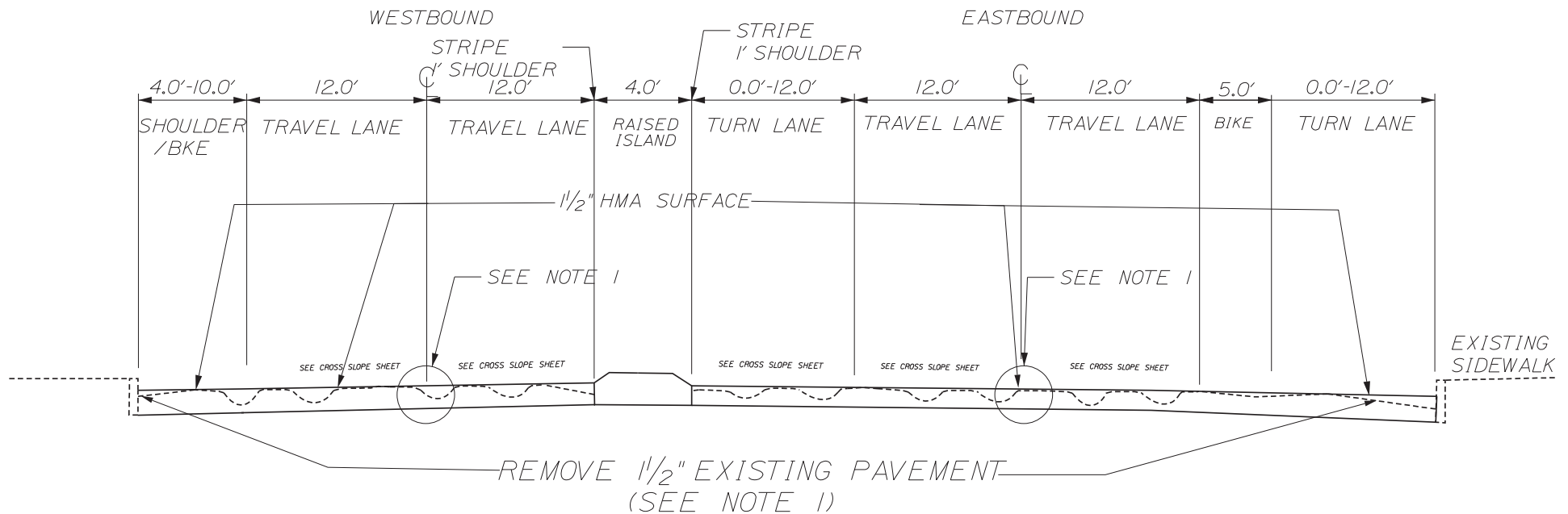
STATIONS
38+00 TO 40+00
49+50 TO 53+20

NOTE 1: THE THE POINTS IDENTIFIED SHALL BE THE MILLING CONTROL POINTS. THE CUT DEPTH SHALL BE 1/2" AT THE CONTROL POINTS AND THE TRAVELWAYS SHALL BE MILLED TO SLOPE. THE SHOULDER SHALL BE MILLED TO THE SAME SLOPE AS THE ADJACENT TRAVELWAYS. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

41	TOPSHAM ROUTE 196	WIN 26268.00	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SHEET NUMBER
	TYPICAL SECTIONS		2626800 HIGHWAY PLANS	8 OF 10

MILL AND FILL
RAISED ISLAND WITH TURN LANE



STATIONS
29+80 TO 34+70
56+70 TO 61+22

NOTE 1: THE POINTS IDENTIFIED SHALL BE THE MILLING CONTROL POINTS. THE CUT DEPTH SHALL BE 1/2" AT THE CONTROL POINTS AND TRAVELWAYS SHALL BE MILLED TO SLOPE. THE SHOULDER SHALL BE MILLED TO THE SAME SLOPE AS THE ADJACENT TRAVELWAYS. SEE CROSS SLOPE SHEET FOR PROPOSED SLOPES.

NOT TO SCALE

43	TOPSHAM ROUTE 196	WIN 26268.00	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SHEET NUMBER 10 OF 10
	TYPICAL SECTIONS		2626800 HIGHWAY PLANS	

PROJECT STATIONING

<u>Left/Westbound</u>	<u>Station</u>	<u>Right/Eastbound</u>
	34+00	Topsham Fair Mall Road
	31+44	Pole 93
I-295 Northbound On Ramp	29+62	Speed Limit 35 MPH
	27+75	I-295 Northbound Off Ramp
I-295 Northbound On Ramp	27+10	I-295 Northbound Off Ramp
	26+19	Pole 96
Speed Limit 35 MPH	24+00	
End Bridge 6307 joint over I-295	23+35	End Bridge 6307 joint over I-295
Start Bridge 6307 joint over I-295	20+80	Start Bridge 6307 joint over I-295
	20+21	Speed Limit 35 MPH
	18+25	I-295 Southbound Off Ramp
I-295 Southbound Off Ramp	16+75	
	15+59	Pole 19
	14+47	I-295 Southbound On Ramp
	13+58	Pole 20
Speed Limit 40 MPH	11+70	
	11+50	Speed Limit 35 MPH
	10+68	Smith Road
Agway Drive	10+40	
Begin Project	10+00	Begin Project

PROJECT STATIONING

<u>Left/Westbound</u>	<u>Station</u>	<u>Right/Eastbound</u>
End Project	61+22	End Project
Main Street	60+59	Main Street
Speed Limit 35 MPH	56+30	
	53+10	Horton Place
Union Park Road	52+75	
Speed Limit 35 MPH	50+80	
	47+28	Hamilton Court
	40+93	Mallett Drive
Unnamed Street	40+70	
Speed Limit 35 MPH	39+80	
	39+12	Pole 11
	36+60	Pole 12
To Crooker Construction	34+20	

CONSTRUCTION NOTES

202.2023 Removing Pavement Surface-Medium Cut Drum

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comment</u>
10+00		61+22	Lt/Rt	Mainline and Turn Lanes.
13+00		20+80	Rt	Shoulders
14+15		17+00	Lt	Shoulders
20+80		23+35	Lt/Rt	Shoulders
27+00		61+22	Lt/Rt	Shoulders.

Millings/grindings will become property of the State of Maine and will be delivered and stockpiled at 44.120489, -70.086034 located at 157 Pleasant Hill Road, Sabattus Maine 04280, by June 01, 2024. Payment for delivery and stockpiling will be incidental to Item 202.2023. Stockpiling shall include all equipment, personnel, and all other necessary incidentals required to construct stockpiles as per normal construction practices.

204.50 Road Base Repair Areas

403.102 Hot Mix Asphalt

Items to be used for trench repairs as directed by the resident.

202.203 Pavement Butt Joints

<u>Description</u>	<u>Qty</u>
Commercial Drives	4
Side Roads	10
On and Off Ramps	7

403.209 Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (Incidentals)

<u>Description</u>	<u>Qty</u>
Paved Driveways	2
Commercial Driveways	4
ADA ramps	3

403.211 Hot Mix Asphalt (Shim)

Note: Item to be used for structure adjustments, shim into necessary areas after milling and as directed by Resident.

CONSTRUCTION NOTES

410.153 Emulsified Asphalt Seal Coat with Grit, Applied

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>	<u>Comments</u>
10+00		13+00	Rt	Shoulder
10+00		14+15	Lt	Shoulder
17+00		20+80	Lt	Shoulder
23+35		27+00	Lt/Rt	Shoulder

411.09 Untreated Aggregate Surface Course

<u>Description</u>	<u>Qty</u>
Gravel Drives	2
Other Areas	2

424.22 Asphalt Rubber Crack Sealer Type 2, Applied

To be used to seal all surface crack less than 1” in width that remain after milling.

424.38 Crack Repair, Hot Pour Mastic

To be used to seal all surface cracks greater than 1” in width that remain after milling and as directed by the Resident.

Item also to be used to seal the bridge Joints on Bridge #6307 (Stations 20+80 and 23+35)

604.18 Adjust Manhole or Catch Basin to Grade

<u>Station</u>	<u>Side</u>	<u>Station</u>	<u>Side</u>
14+30	Lt	18+51	Rt
30+54	Lt	26+92	Rt
32+10	Lt	28+47	Rt
33+20	Lt	30+56	Rt
34+02	Lt	33+27	Rt
34+58	Lt	33+30	Rt
35+01	Lt	35+02	Rt
39+50	Lt	41+47	Rt
39+70	Lt	45+46	Rt
47+63	Lt	51+33	Rt
55+42	Lt	52+19	Rt
		58+50	Rt
		60+56	Rt

CONSTRUCTION NOTES

608.26 Curb Ramp Detectable Warning Field

<u>Station</u>	<u>Side</u>	<u>Comments</u>
60+20	Rt	12 SF
60+30	Rt	12 SF
61+18	Rt	12 SF

608.46 Regrading Sidewalk

<u>Station</u>	<u>To</u>	<u>Station</u>	<u>Side</u>
60+18		60+28	Rt
61+08		61+18	Rt

615.07 Loam

618.13 Seeding Method Number 1

619.12 Mulch

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Side</u>
10+00		13+00	Rt
11+70		12+60	Lt
15+25		17+25	Rt
30+00		32+25	Lt

627.733 4" White or Yellow Painted Pavement Marking Line

Center lines and edge lines shall be painted on all matched pavement within one week.

Center line TOMs may be utilized until final striping and will be considered incidental to the contract.

Multilane sections and truck lanes must be striped daily on all matched pavement layers.

627.78 Temporary 4" Painted Pavement Marking Line, White or Yellow

Temporary center lines and edge lines shall be painted on all matched pavement within one week.

Multilane sections, truck lanes, and milled surfaces must be striped daily on all matched pavement layers.

Temporary lines will require one coat on the milled surface and one coat on the shim layer.

CONSTRUCTION NOTES

812.162 Adjusting Sewer Manhole To Grade

<u>Station</u>	<u>Side</u>
34+20	Lt
33+60	Lt
37+42	Lt
40+60	Rt
44+00	Lt

CROSS SLOPE SHEET

STA	LEFT					RIGHT				
	Turn Lane Slope %	Travel Lane Slope %	CL Cut Depth inch	Travel Lane Slope %	Turn Lane Slope %	Turn Lane Slope %	Travel Lane Slope %	CL Cut Depth inch	Travel Lane Slope %	Turn Lane Slope %
34+50	-2.0				-2.0					
34+00	Match	-2.0			Match	Match				Match
33+50		-2.5		-2.0		-1.5				-1.5
33+00				-1.0						
32+00				-1.0						
31+50		-2.5		0.5				-1.50		
31+00		-3.0		1.5				-1.00		
30+50				2.0		-1.5		-1.00		-1.5
30+00						Match		-0.50		Match
29+50		-3.0					-1.5	-0.50		
29+00		-2.0					-1.0	-1.00		
28+50							-0.5	-1.50		
28+00							0.5			
27+50							0.5			
27+00							1.0			
26+50						Match	1.5			
26+00						1.5				
24+50						1.5				
24+00						Match				
23+50		-2.0		2.0			1.5		-1.5	
23+00		Match	-1.50	Match			Match	-1.50	Match	
		Bridge					Bridge			
20+50		Match	-1.50	Match			Match	-1.50	Match	
20+00		-1.5		1.5			2.0		-2.0	
15+50		-1.5		1.5						
15+00		-2.0		2.0						
12+00		-2.0		2.0						
11+50		-3.0		3.0						
10+50							2.0		-2.0	
10+00		-3.0	-1.50	3.0			2.5	-1.50	-2.5	

Notes: 1. Shoulders will be milled to match the adjacent travelway slope

CROSS SLOPE SHEET

STA	LEFT					RIGHT				
	Turn Lane Slope %	Travel Lane Slope %	CL Cut Depth inch	Travel Lane Slope %	Turn Lane Slope %	Turn Lane Slope %	Travel Lane Slope %	CL Cut Depth inch	Travel Lane Slope %	Turn Lane Slope %
55+00					Match					
54+50					-1.5					
54+00							-1.5			
53+50		-2.5					-1.0			
53+00		-2.0			-1.5	Match				
52+50					Match	-1.0	-1.0			
52+00						-1.5	-1.5			
50+00						-1.5	-1.5			
49+50						Match	-1.0			
49+00					Match					
48+50					-1.5					
48+00							-1.0	-1.50		
47+50			-1.50		-1.5		-0.5	-1.00		
47+00			-1.00		Match		-0.5	-0.75		
46+50			-0.50				-1.0	-0.75		
46+00								-0.50		
45+00								-0.50		
44+50								-1.00		
44+00			-0.50	-1.5						
43+50			-1.00	-2.0						
43+00			-1.50							
41+50								-1.00		
41+00							-1.0	-1.50		
40+50						Match	-1.5			
40+00						-1.5				
39+50						-1.5	-1.5			
39+00						-1.0	-1.0			
38+50	Match				Match	Match	-1.0		-1.5	
38+00	-2.0				-2.0		-0.5		-1.0	
35+50							-0.5		-1.0	
35+00							-1.5		-1.5	

Notes: 1. Shoulders will be milled to match the adjacent travelway slope

